

Name _____

Date _____

Atomic Structure Practice Sheet 2

1. Write the complete chemical symbol for the ion with 37 protons and 36 electrons.

2. How many protons, neutrons, and electrons are present in the $^{93}\text{Nb}^{+3}$ ion?

Protons = _____

Neutrons = _____

Electrons = _____

3. How many protons, neutrons, and electrons are present in the $^{141}\text{Ce}^{+4}$ ion?

Protons = _____

Neutrons = _____

Electrons = _____

4. How many protons, neutrons, and electrons are present in the $^{128}\text{Te}^{-2}$ ion?

Protons = _____

Neutrons = _____

Electrons = _____

5. How many protons, neutrons, and electrons are present in the $^{73}\text{Ge}^{-4}$ ion?

Protons = _____

Neutrons = _____

Electrons = _____

6. Write the complete chemical symbol for the ion with 82 protons and 80 electrons.

7. What is the atomic mass of and element that has 37 protons, 43 neutrons, and 36 electrons?

8. Write the complete chemical symbol for the ion with 73 protons, 108 neutrons, and 68 electrons.

9. Write the complete chemical symbol for the ion with 75 protons, 111 neutrons, and 71 electrons.

10. Write the complete chemical symbol for the ion with 26 protons, 29 neutrons, and 24 electrons.
